

WHAT IS CLAIMED IS:

1. A print media transport assembly for advancing a print media through a print zone, the print media transport assembly comprising:
 - a primary drive roller rotatably mounted on an entry side of the print zone and adapted to contact the print media and advance the print media through the print zone;
 - a pinch roller rotatably mounted opposite the primary drive roller and adapted to contact the print media;
 - a secondary drive roller rotatably mounted on an exit side of the print zone and adapted to contact a first side of the print media; and
 - a starwheel rotatably mounted opposite the secondary drive roller and adapted to selectively contact a second side of the print media.
2. The print media transport assembly of claim 1, wherein the primary drive roller is adapted to contact the first side of the print media and the pinch roller is adapted to contact the second side of the print media.
3. The print media transport assembly of claim 1, wherein the print zone is defined to the second side of the print media and the printer is adapted to print on the second side of the print media.
4. The print media transport assembly of claim 1, wherein the secondary drive roller is adapted to advance the print media through the print zone.
5. The print media transport assembly of claim 1, wherein the starwheel is configured to move between a disengaged position and an engaged position to selectively contact the second side of the print media based on a position of the print media.

6. The print media transport assembly of claim 5, wherein the starwheel is adapted to be spaced from the print media in the disengaged position and adapted to contact the print media in the engaged position.
7. The print media transport assembly of claim 5, wherein the starwheel is adapted to be in the engaged position when the secondary drive roller contacts the first side of the print media.
8. The print media transport assembly of claim 5, wherein the print media has a leading portion and a trailing portion, and wherein the starwheel is adapted to be in the disengaged position before the secondary drive roller contacts the leading portion of the print media.
9. The print media transport assembly of claim 8, wherein the starwheel is adapted to be in the disengaged position when the leading portion of the print media exits the print zone.
10. The print media transport assembly of claim 8, wherein the starwheel is adapted to be in the engaged position when the primary drive roller contacts the trailing portion of the print media.
11. The print media transport assembly of claim 8, wherein the starwheel is adapted to be in the engaged position when the trailing portion of the print media enters the print zone.
12. The print media transport assembly of claim 8, wherein the starwheel is adapted to be moved to the disengaged position when the trailing portion of the print media is in the print zone.
13. The print media transport assembly of claim 8, wherein a circumference of the starwheel is greater than a length of the trailing portion of the print media.

14. The print media transport assembly of claim 5, wherein the starwheel is adapted to be moved to the engaged position when a final length of the print media to be advanced through the print zone is less than a circumference of the starwheel.
15. The print media transport assembly of claim 1, wherein the starwheel is adapted to contact the print media for less than one revolution of the starwheel.
16. An inkjet printing system for printing on a print media, the inkjet printing system comprising:
a printhead assembly adapted to eject ink drops toward a first side of the print media into a print zone between the printhead assembly and the print media to print on the print media; and
a print media transport assembly adapted to route the print media through the inkjet printing system relative to the printhead assembly, wherein the print media transport assembly includes:
a drive roller rotatably mounted on an exit side of the print zone and adapted to contact a second side of the print media, and
a starwheel rotatably mounted opposite the drive roller and adapted to selectively contact the first side of the print media.
17. The inkjet printing system of claim 16, wherein the drive roller is adapted to advance the print media through the print zone.
18. The inkjet printing system of claim 16, wherein the starwheel is configured to move between a disengaged position and an engaged position to selectively contact the first side of the print media based on a position of the print media.

19. The inkjet printing system of claim 18, wherein the starwheel is adapted to be spaced from the print media in the disengaged position and adapted to contact the print media in the engaged position.
20. The inkjet printing system of claim 18, wherein the starwheel is adapted to be in the engaged position when the drive roller contacts the second side of the print media.
21. The inkjet printing system of claim 18, wherein the print media has a leading portion and a trailing portion, and wherein the starwheel is adapted to be in the disengaged position before the drive roller contacts the leading portion of the print media.
22. The inkjet printing system of claim 21, wherein the starwheel is adapted to be in the disengaged position when the leading portion of the print media exits the print zone.
23. The inkjet printing system of claim 21, wherein the starwheel is adapted to be in the engaged position when the trailing portion of the print media enters the print zone.
24. The inkjet printing system of claim 21, wherein the starwheel is adapted to be moved to the disengaged position when the trailing portion of the print media is in the print zone.
25. The inkjet printing system of claim 21, wherein a circumference of the starwheel is greater than a length of the trailing portion of the print media.
26. The inkjet printing system of claim 18, wherein the starwheel is adapted to be moved to the disengaged position when printing is complete.

27. The inkjet printing system of claim 18, wherein the starwheel is adapted to be moved to the engaged position when a final length of the print media to be advanced through the print zone is less than a circumference of the starwheel.

28. The inkjet printing system of claim 16, wherein the starwheel is adapted to contact the print media for less than one revolution of the starwheel.

29. A method of advancing a print media through a print zone, the method comprising:

- rotatably mounting a drive roller on an exit side of the print zone;
- rotatably mounting a starwheel in opposing relationship to the drive roller on the exit side of the print zone;
- contacting a first side of the print media with the drive roller; and
- selectively actuating the starwheel and contacting a second side of the print media with the starwheel.

30. The method of claim 29, wherein contacting the first side of the print media with the drive roller and contacting the second side of the print media with the starwheel includes advancing the print media through the print zone with the drive roller and the starwheel.

31. The method of claim 29, wherein selectively actuating the starwheel includes moving the starwheel between a first position in which the starwheel is spaced from the print media and a second position in which the starwheel contacts the print media.

32. The method of claim 31, wherein selectively actuating the starwheel includes providing the starwheel in the first position before contacting the first side of the print media with the drive roller.

33. The method of claim 31, wherein the print media has a leading portion and a trailing portion, and wherein selectively actuating the starwheel includes providing the starwheel in the first position when the leading portion of the print media exits the print zone.
34. The method of claim 33, wherein selectively actuating the starwheel includes moving the starwheel to the second position when the trailing portion of the print media enters the print zone and maintaining the starwheel in the second position as the trailing portion moves through the print zone.
35. The method of claim 33, wherein selectively actuating the starwheel includes moving the starwheel to the first position when the trailing portion of the print media is in the print zone.
36. The method of claim 33, wherein a circumference of the starwheel is greater than a length of the trailing portion of the print media.
37. The method of claim 31, wherein selectively actuating the starwheel includes moving the starwheel to the second position when a final length of the print media to be advanced through the print zone is less than a circumference of the starwheel.
38. The method of claim 29, wherein contacting the second side of the print media with the starwheel includes contacting the print media with the starwheel for less than one revolution of the starwheel.
39. A method of printing on a print media, the method comprising:
feeding the print media into a print zone;
printing on a first side of the print media in the print zone;
contacting a second side of the print media with a drive roller provided on an exit side of the print zone; and

selectively actuating a starwheel provided in opposing relationship to the drive roller on the exit side of the print zone, including selectively contacting the first side of the print media with the starwheel based on a position of the print media during printing.

40. The method of claim 39, wherein selectively actuating the starwheel includes moving the starwheel between a first position in which the starwheel is spaced from the print media and a second position in which the starwheel contacts the print media.

41. The method of claim 40, wherein selectively actuating the starwheel includes providing the starwheel in the first position while feeding the print media into the print zone.

42. The method of claim 41, further comprising:
advancing the print media through the print zone,
wherein selectively actuating the starwheel includes providing the starwheel in the first position and moving the starwheel to the second position while advancing the print media through the print zone.

43. The method of claim 42, wherein selectively actuating the starwheel includes moving the starwheel to the first position when printing on the print media is complete.

44. The method of claim 42, wherein moving the starwheel to the second position includes moving the starwheel to the second position when advancing a final length of the print media through the print zone, wherein the final length of the print media is less than a circumference of the starwheel.

45. The method of claim 39, wherein selectively contacting the first side of the print media with the starwheel includes contacting the print media with the starwheel for less than one revolution of the starwheel.